

This Page Is Inserted by IFW Operations  
and is not a part of the Official Record

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning documents *will not* correct images,  
please do not report the images to the  
Image Problem Mailbox.**

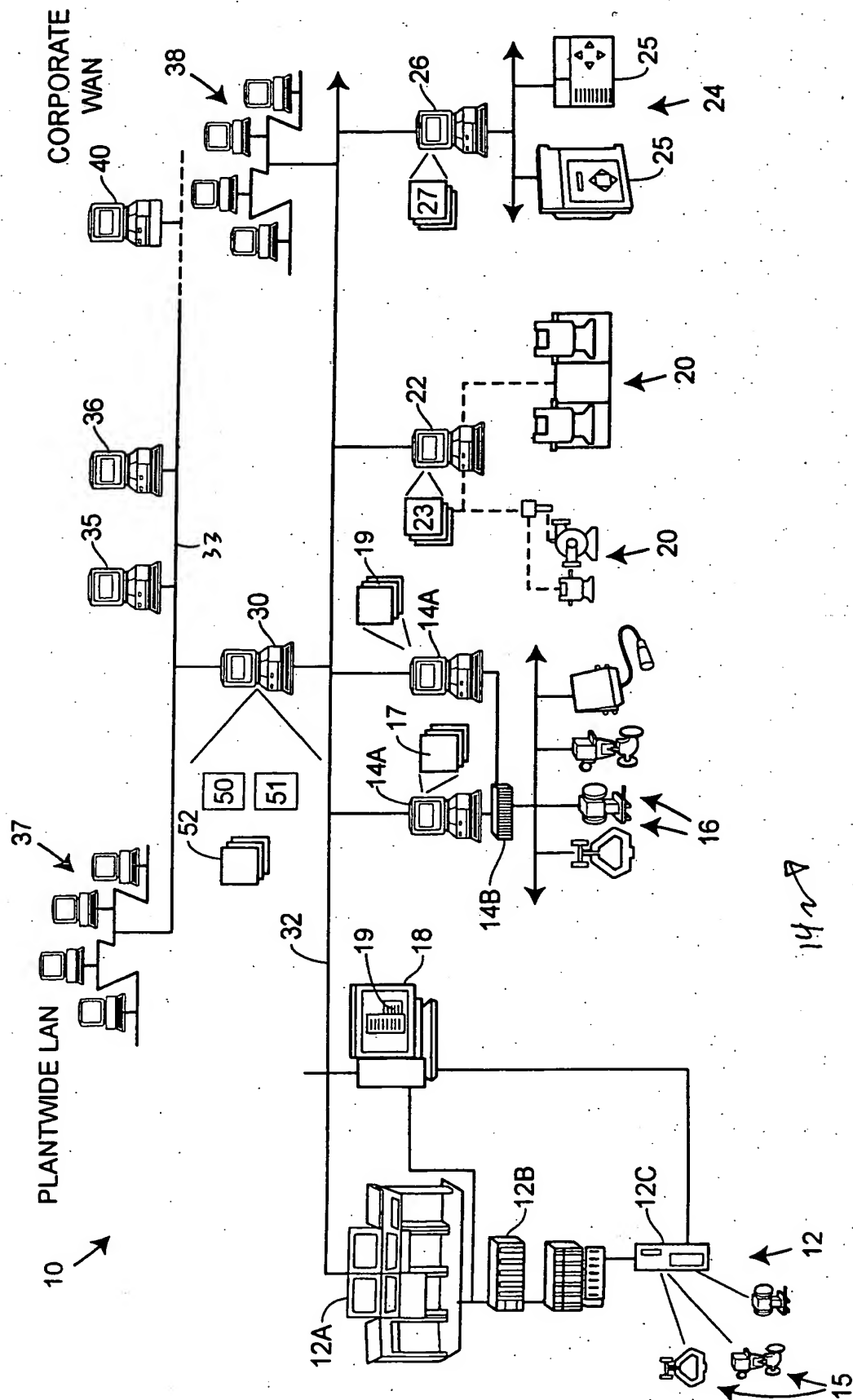
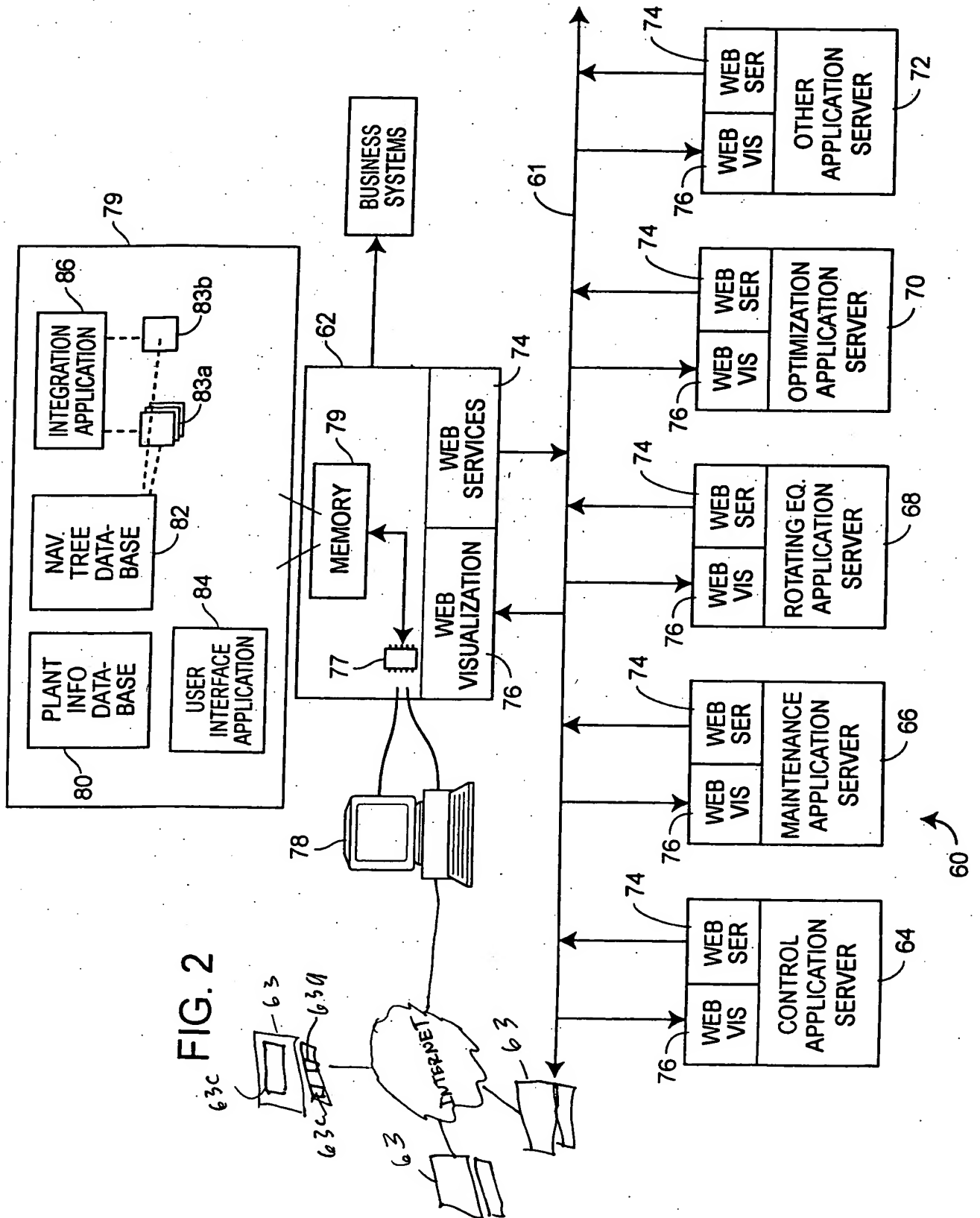


FIG. 1



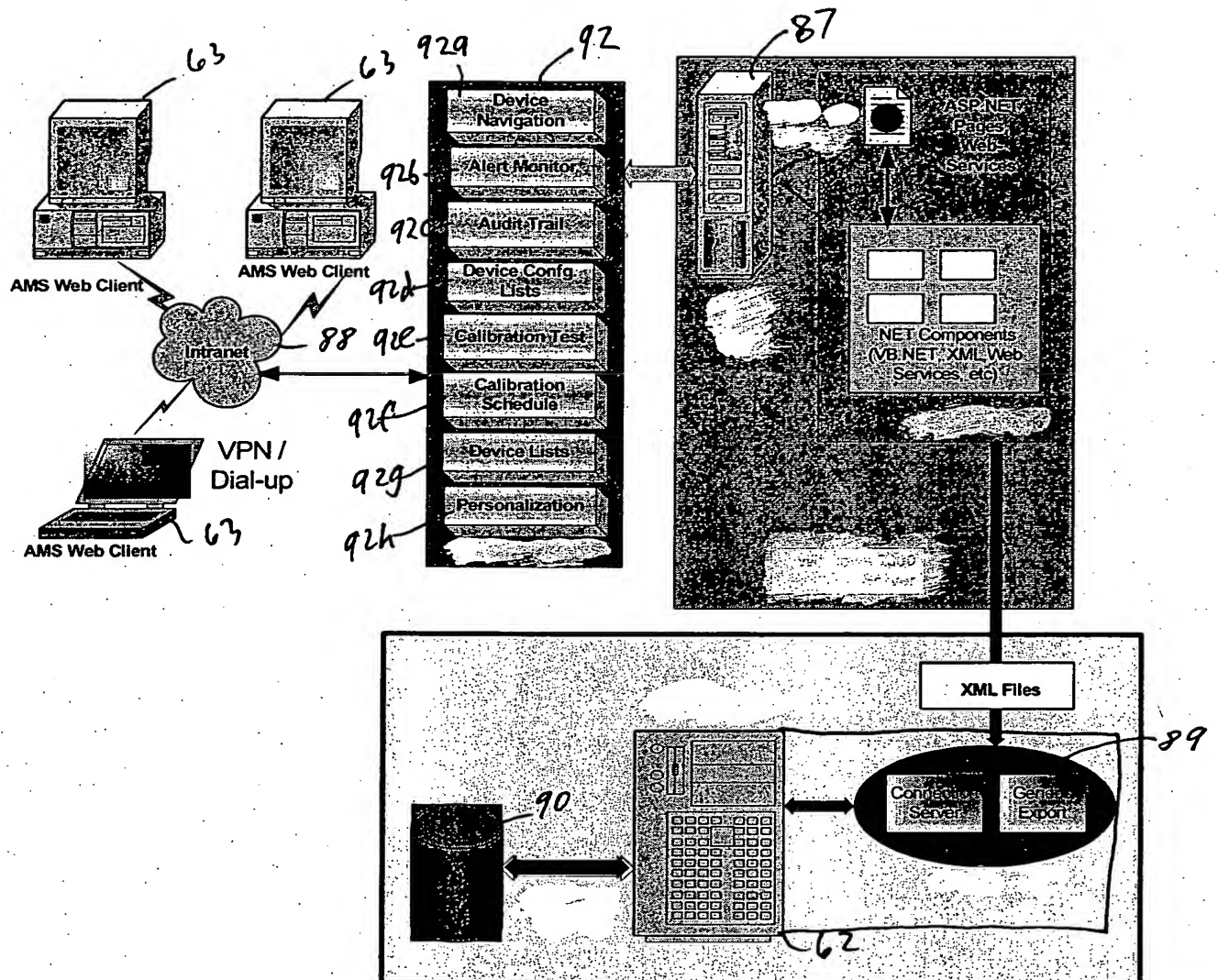


FIG. 3

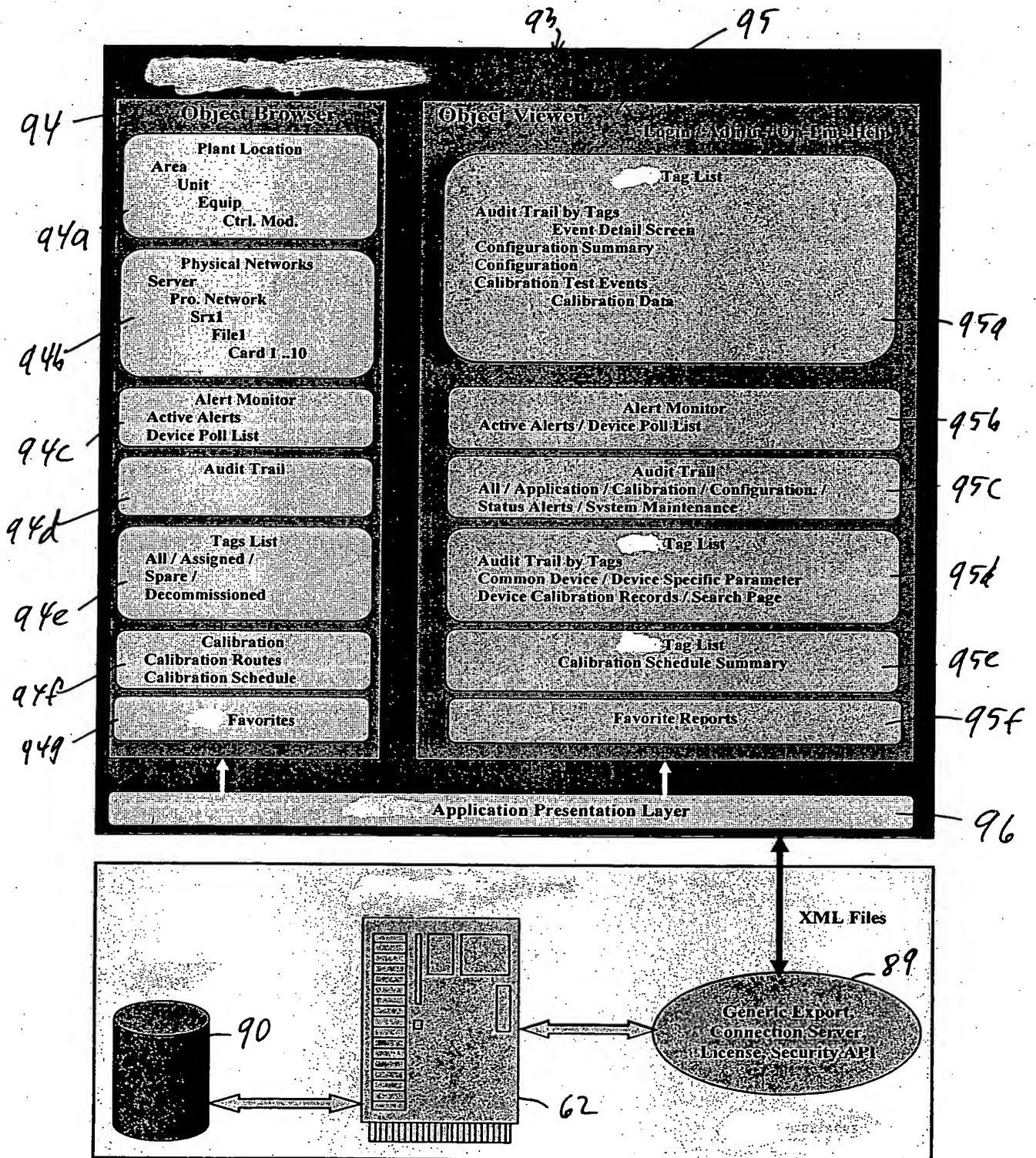


FIG. 4

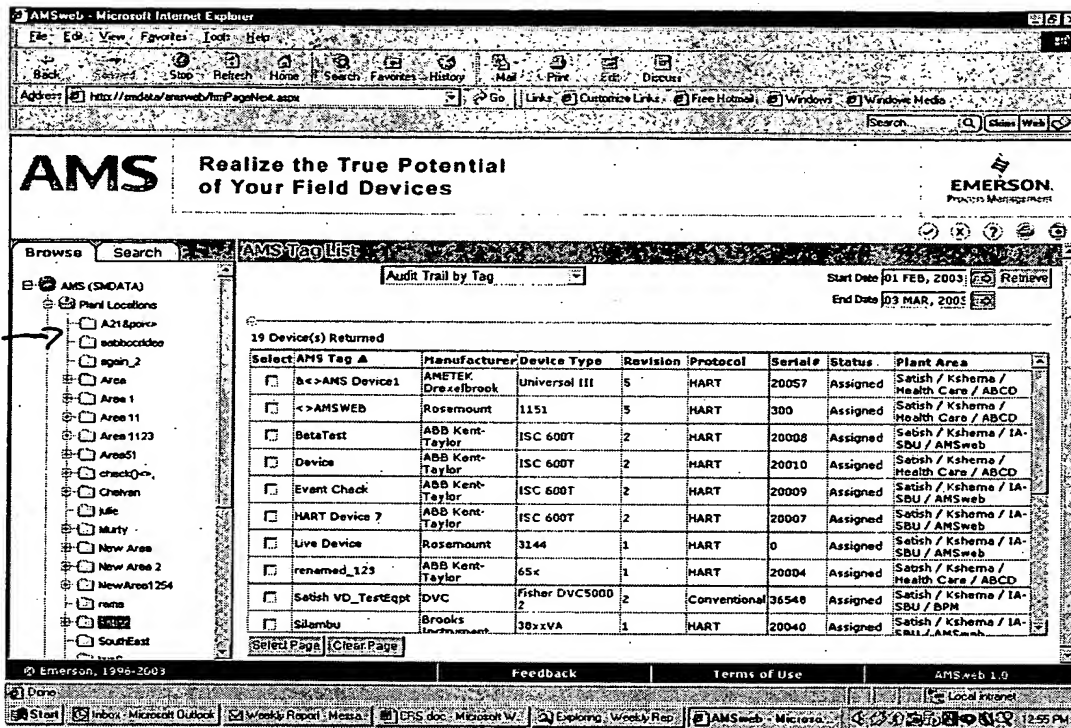


FIG. 5

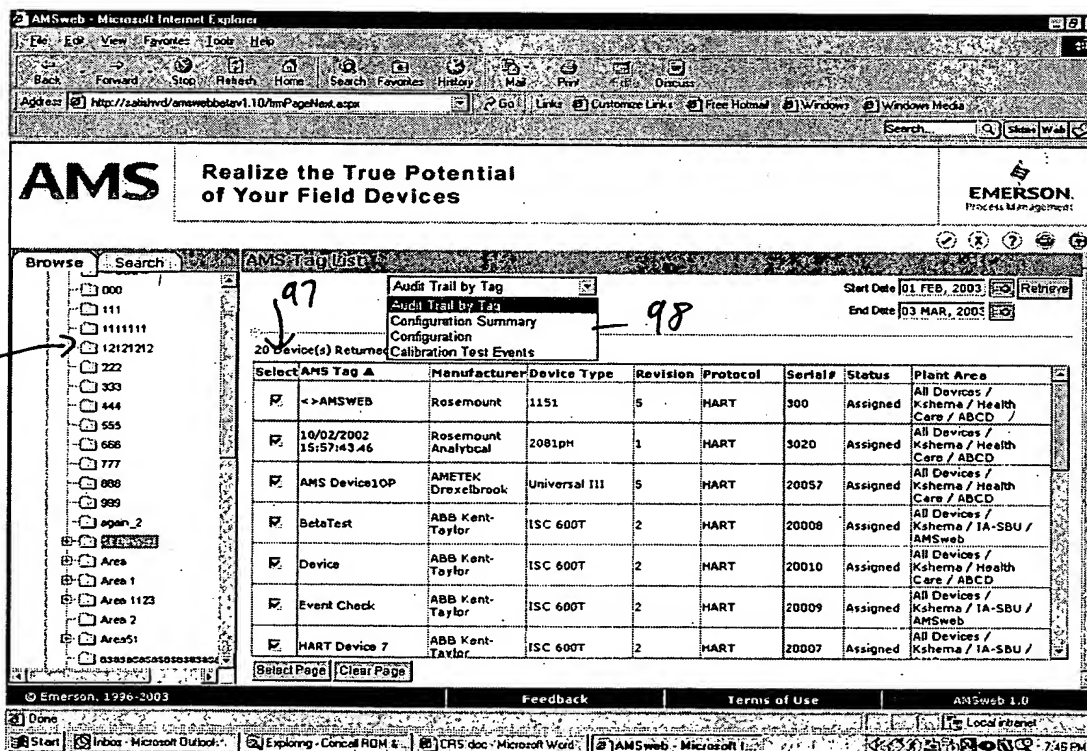


FIG. 6



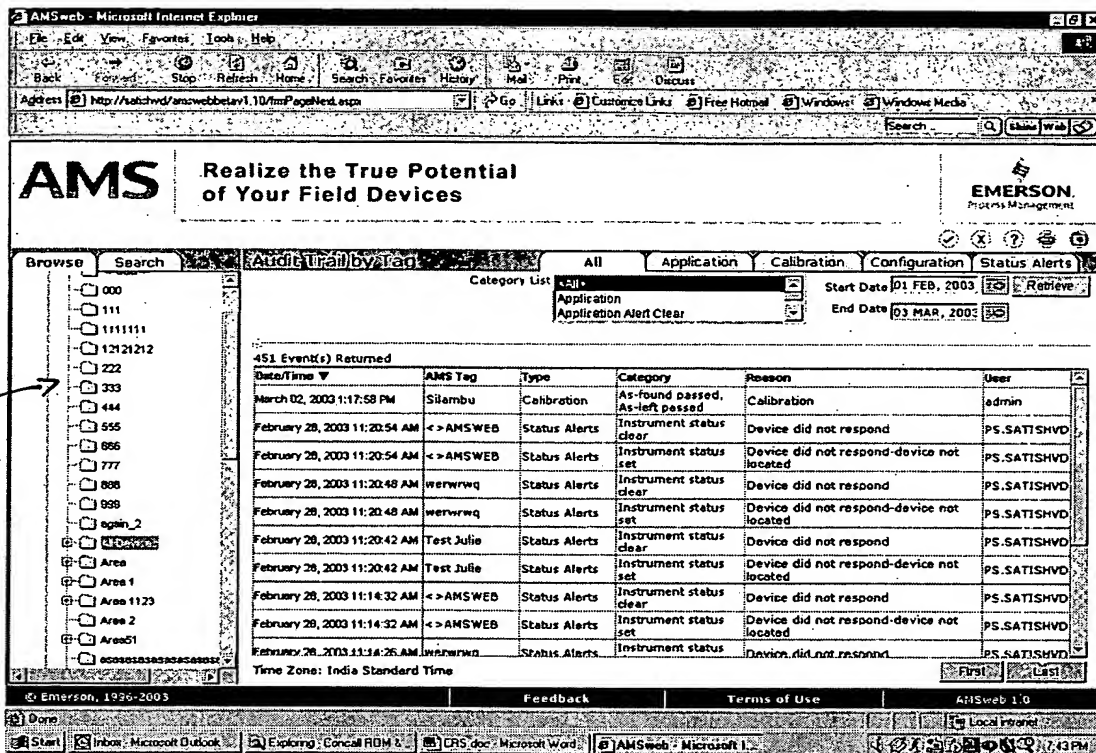


FIG. 7

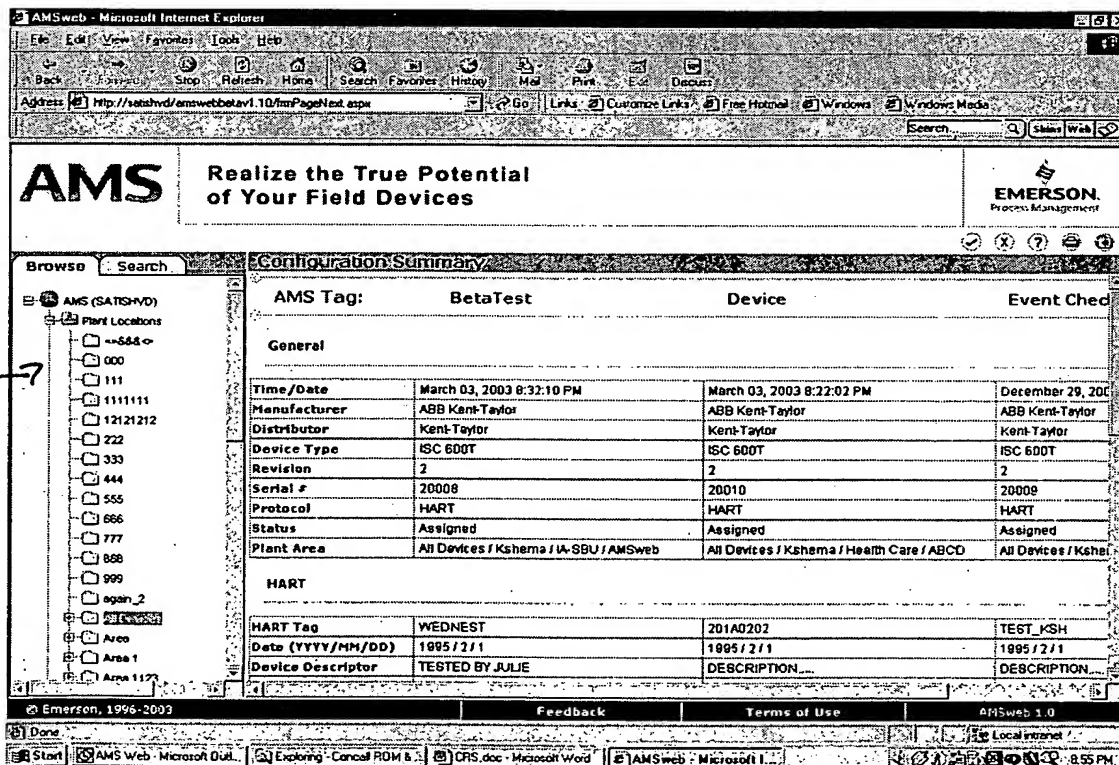


FIG. 8

Inventors: Armstrong et al.  
 Title: "Remote Data Visualization within an Asset Data System for a Process Plant"  
 Atty. Docket No.: 30203/39227  
 Sheet 6 of 23  
 Figs. 7 & 8

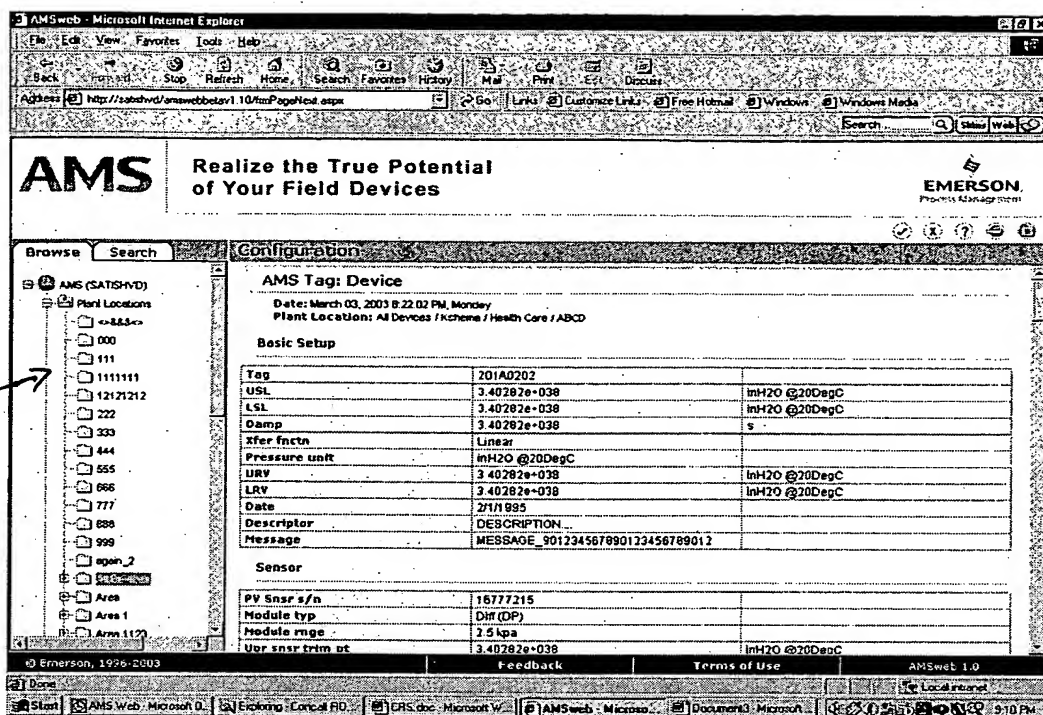


FIG. 9

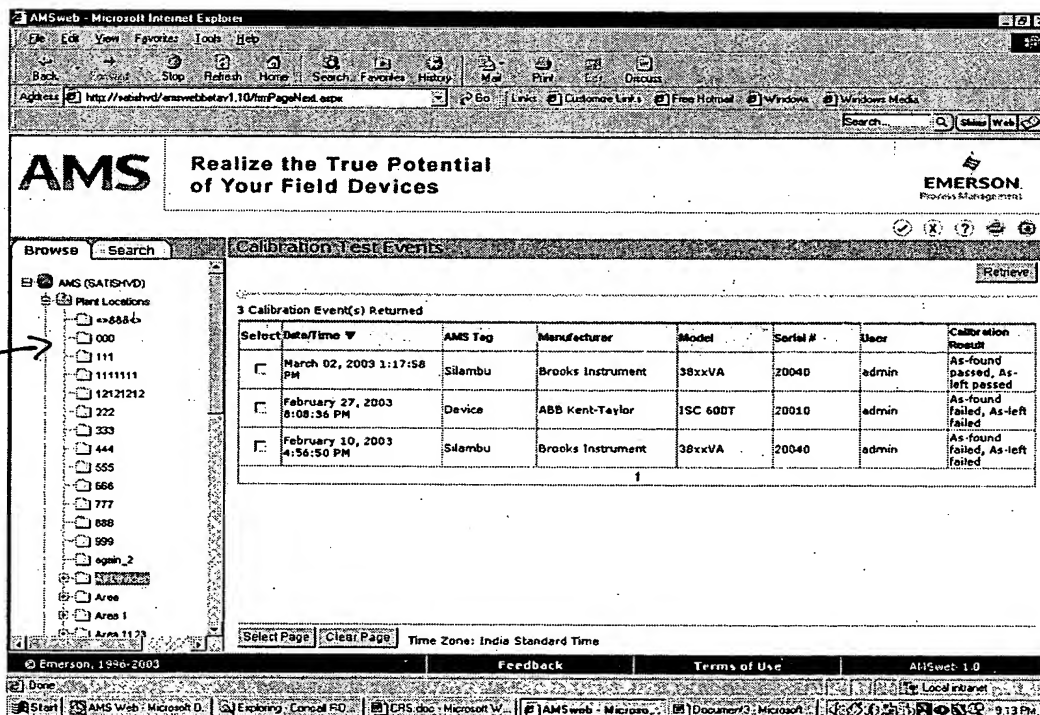


FIG. 10

Inventors: Armstrong et al.  
Title: "Remote Data Visualization within an Asset Data System for a Process Plant"  
Atty. Docket No.: 30203/39227  
Sheet 7 of 23

Figs. 9 & 10



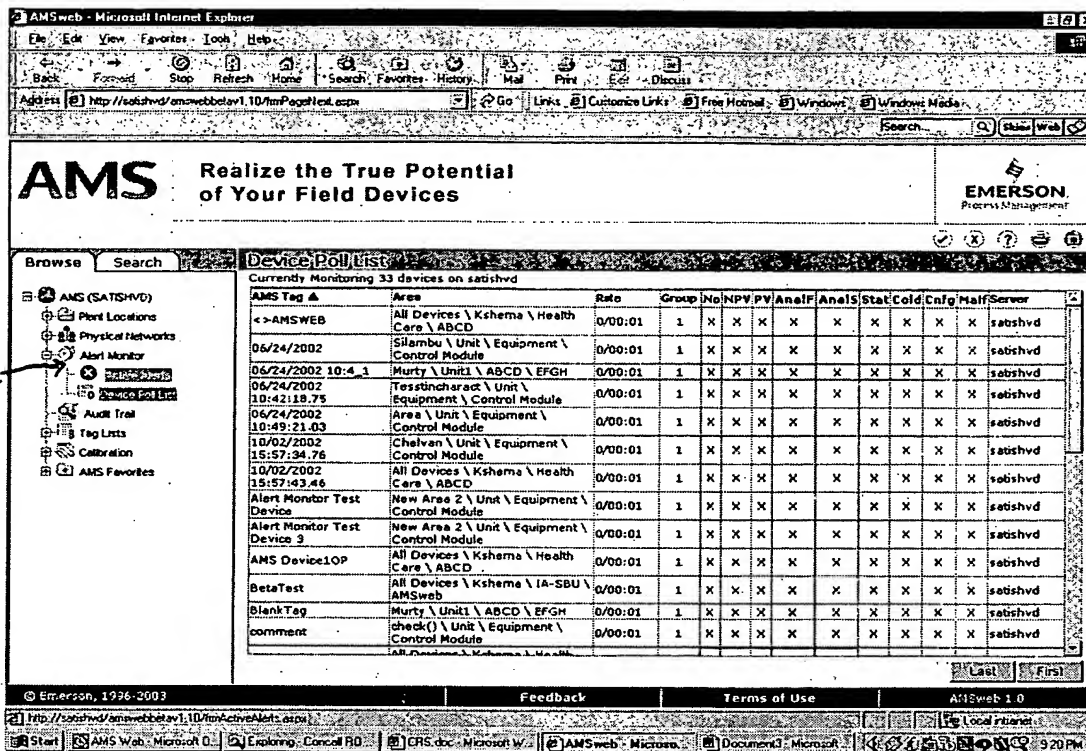


FIG. 11

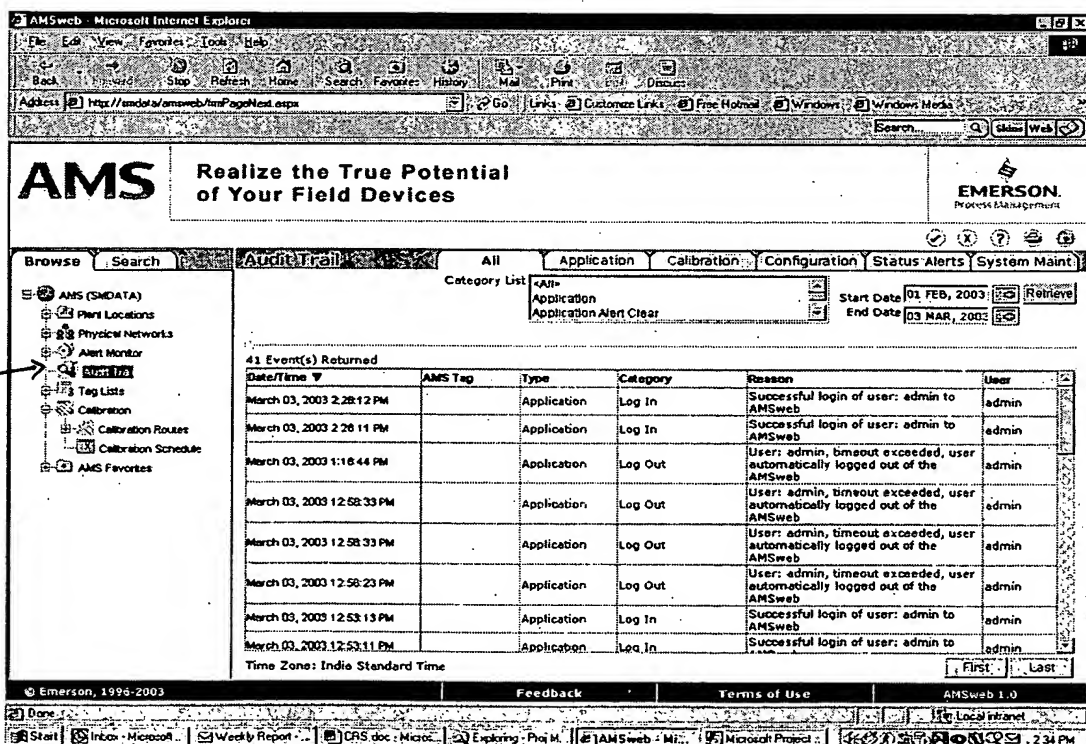


FIG. 12

Inventors: Armstrong et al.  
 Title: "Remote Data Visualization within an Asset Data System for a Process Plant"  
 Atty. Docket No.: 30203/39227  
 Sheet 8 of 23 Figs. 11 & 12

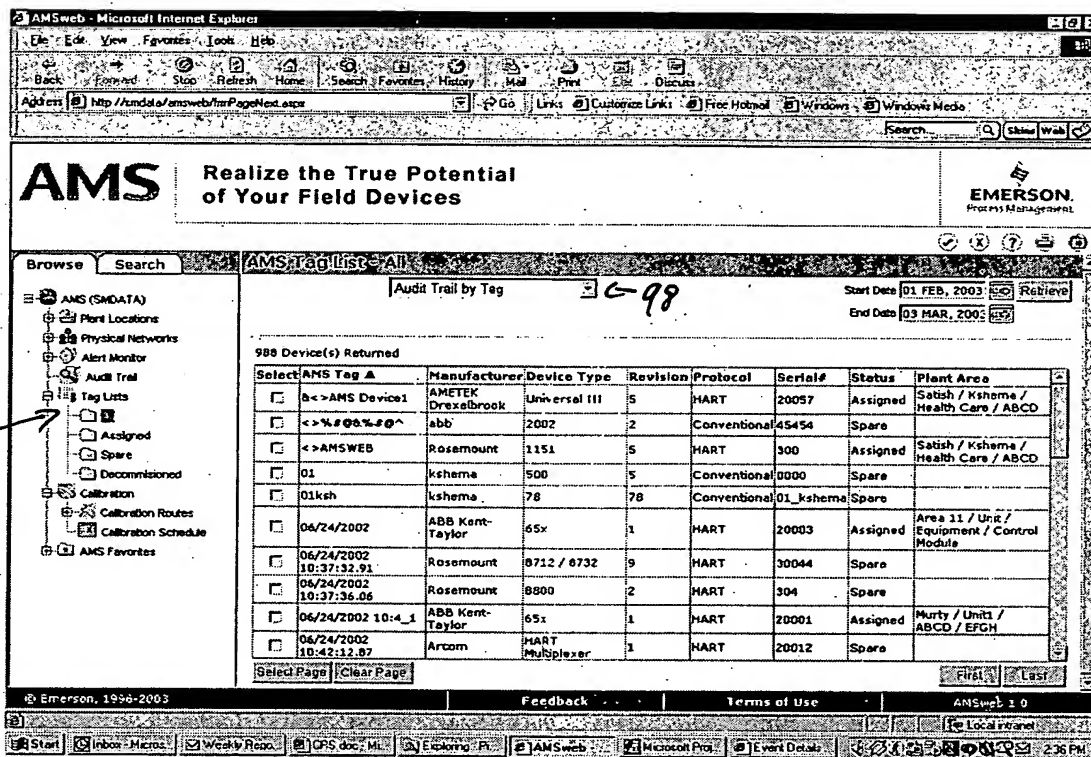


FIG. 13

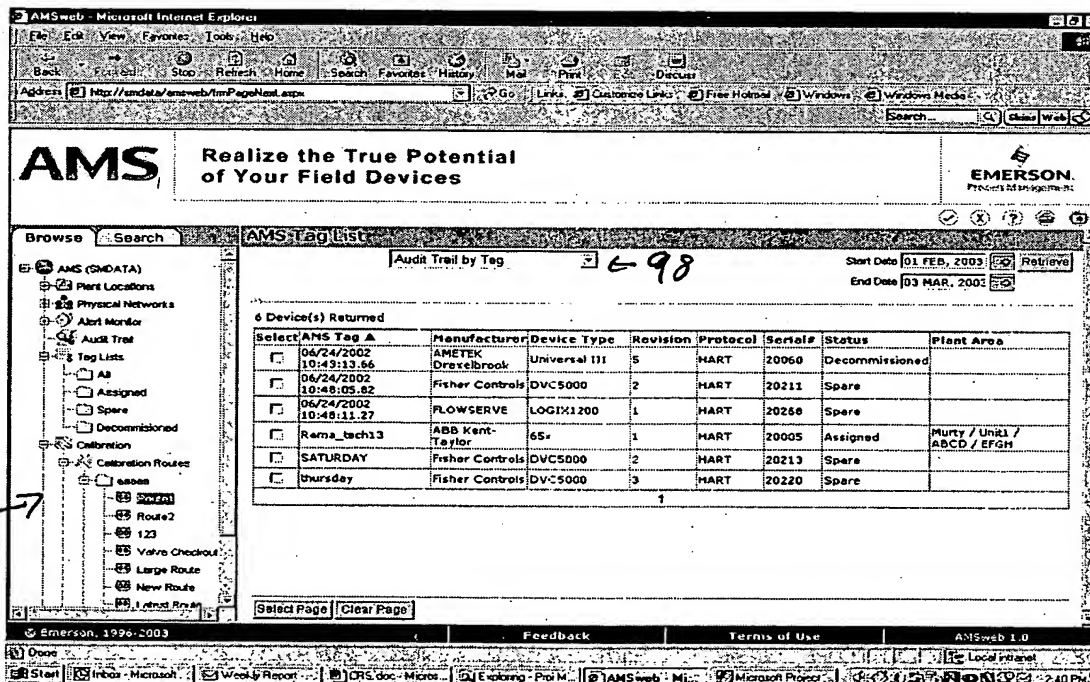


FIG. 14

Inventors: Armstrong et al.  
 Title: "Remote Data Visualization within an Asset Data System for a Process Plant"  
 Atty. Docket No.: 30203/39227  
 Sheet 9 of 23  
 Figs. 13 & 14

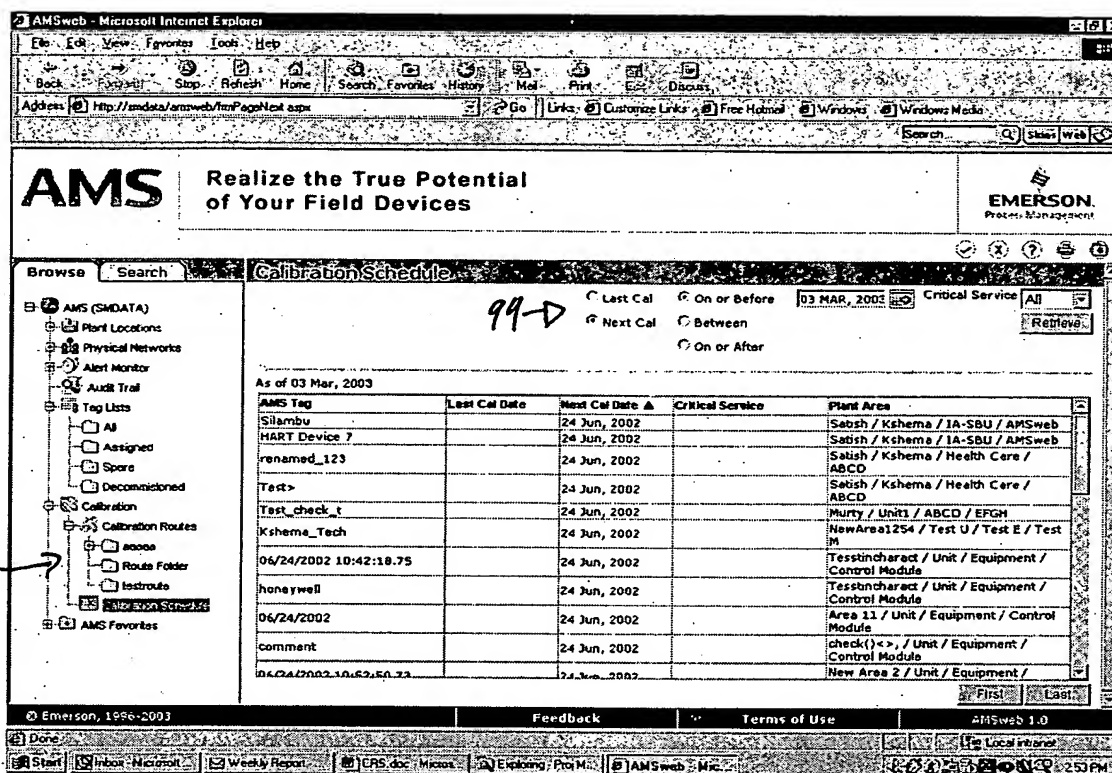


FIG. 15

AMSweb Options - Microsoft Internet Explorer

**AMSweb Options**

AMS Favorites Allowed ☒

User Timeout Enforced ☐ Period

Audit Trail Records Retrieval Limit 100 Maximum

Audit Trail Display 30 Records/Page

Initial Audit Trail Date Range 30 Days

Initial Calibration Test Events Date Range 30 Days

AMS Tag List Display 100 Records/Page

Calibration Schedule 14 Days

Save Close Defaults Help

FIG. 16

Inventors: Armstrong et al.  
 Title: "Remote Data Visualization within  
 an Asset Data System for a Process Plant"  
 Atty. Docket No.: 30203/39227  
 Sheet 10 of 23  
 Figs. 15 & 16

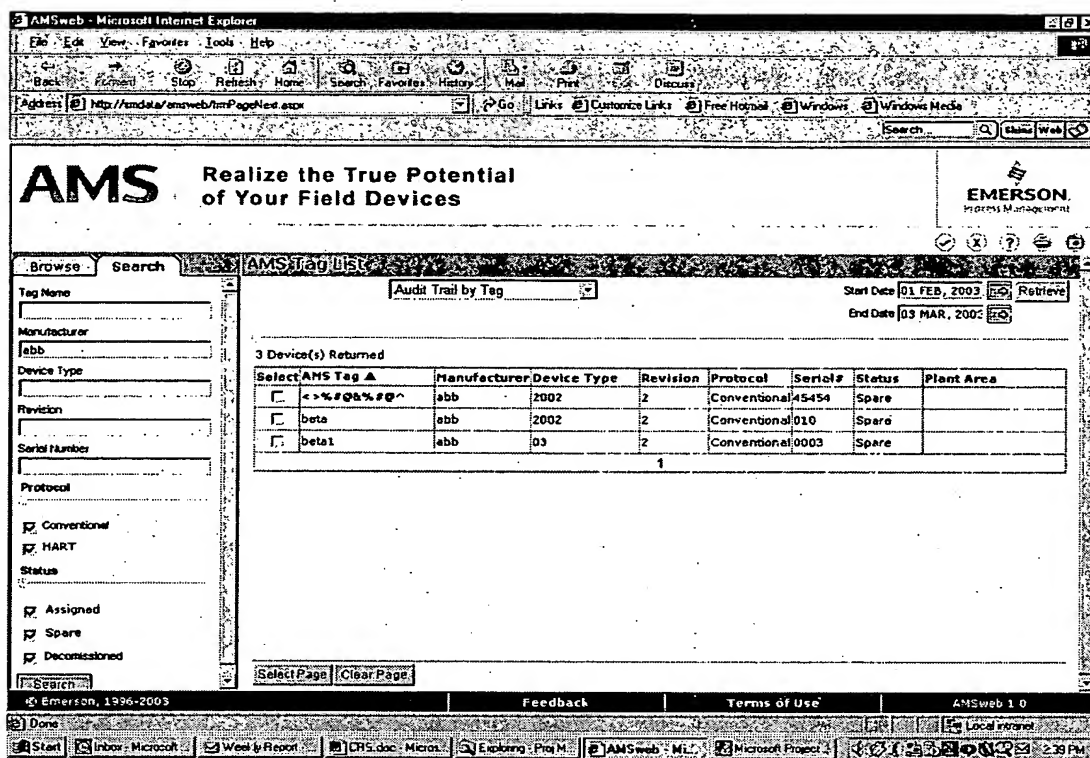
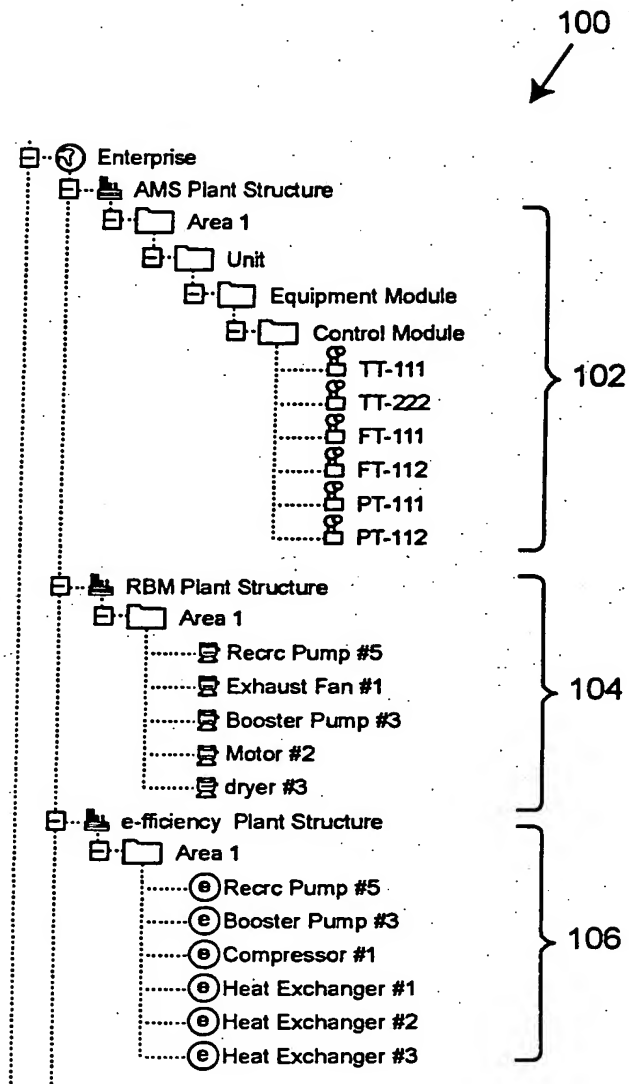


FIG. 17

Inventors: Armstrong et al.  
 Title: "Remote Data Visualization within  
 an Asset Data System for a Process Plant"  
 Atty. Docket No.: 30203/39227  
 Sheet 11 of 23 Fig. 17



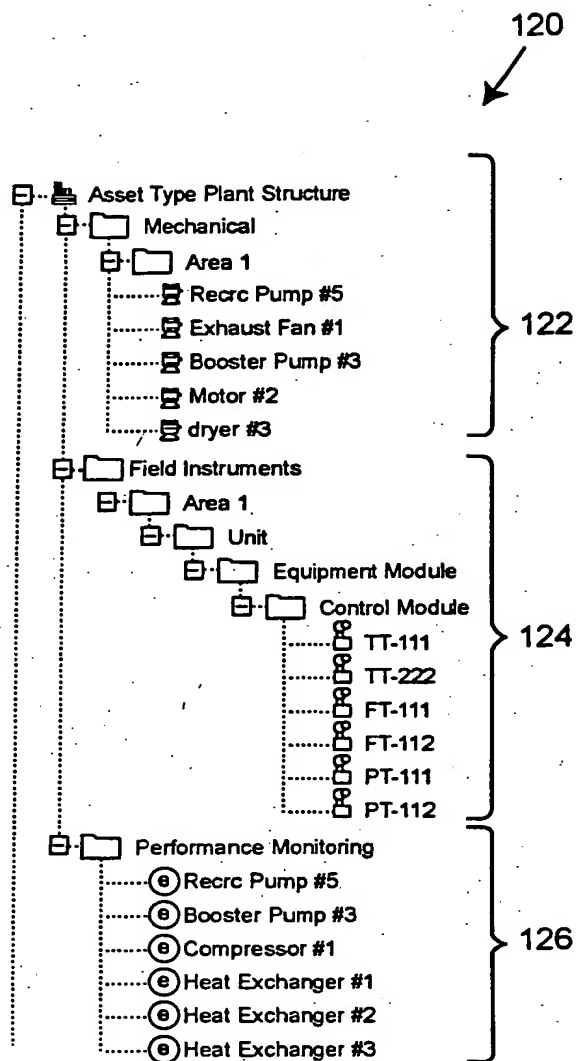


FIG. 19



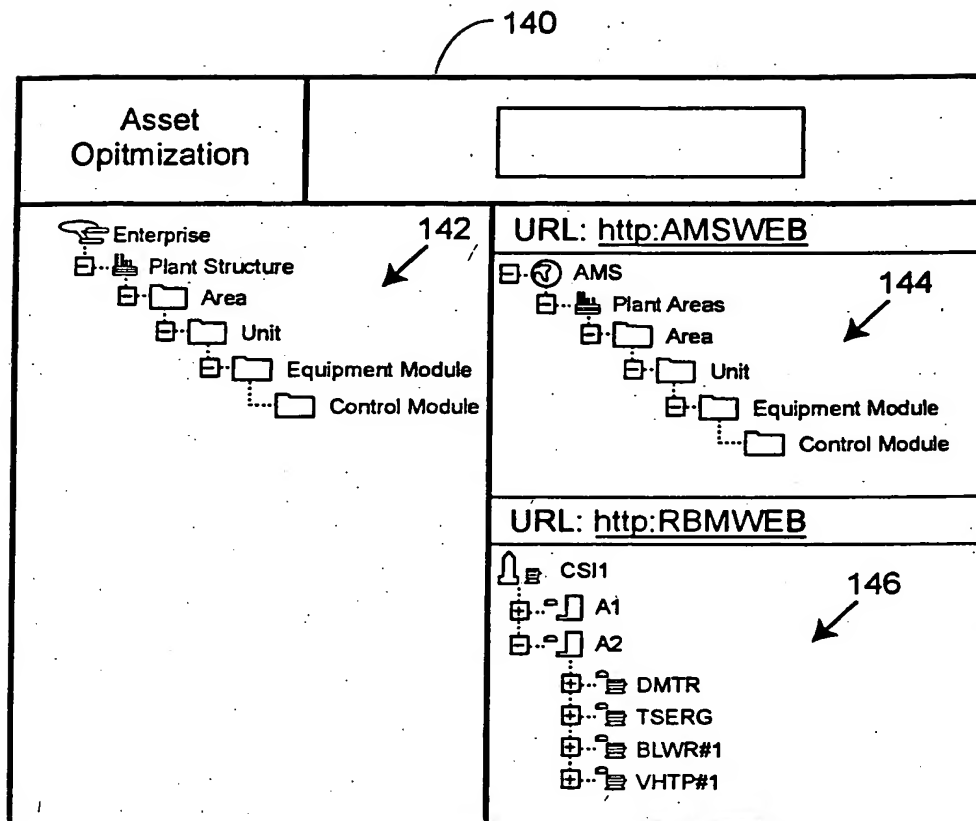


FIG. 20

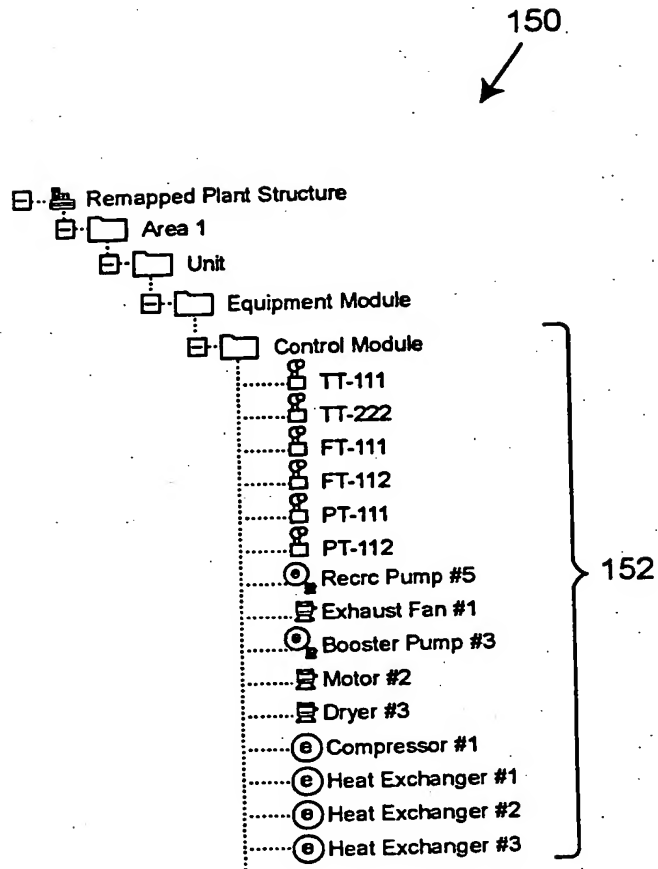


FIG. 21

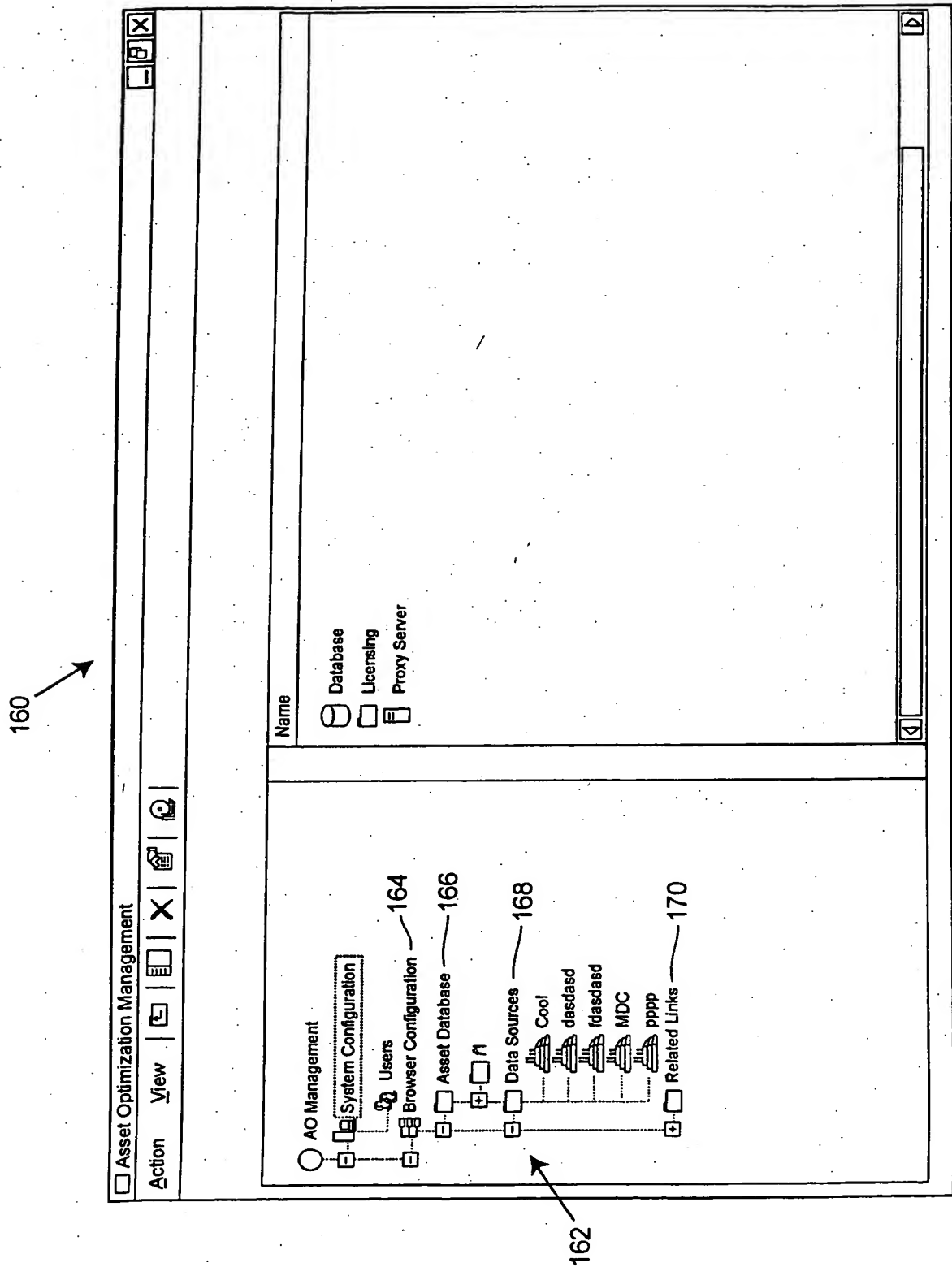


FIG. 22

2003

204

AssetWeb Explorer - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back - Search Favorites Media

Address: http://test4/assetoptimization/ASP/Home.aspx

Go Links

**Asset Optimization**

**EMERSON**  
Process Management

Improving the availability and performance of production assets

Assets Active Alerts Event History

Total Number of Assets: 2743.

Name	Type	Health Index	Description	Location
CP-150	Pump	100	Centrifugal Pump	North Central Plant
CR-2000	Compressor	79	Dense Phase Compressor	North Central Plant
CR-3000	Compressor	86	Export Gas Compressor	North Central Plant
GT-500	Gas Turbine	97	Mechanical Drive GT	North Central Plant
ST-180	Steam Turbine	93	Condensing Steam Turbine	Port Sterling
HRSG-220	HRSG	97	Heat Recovery Steam Generator	South Seas Plant
HRSG-230X	HRSG	90	Intermittent Duct Fired HRSG	South Seas Plant
HX-200	Heat Exchanger	95	Steam Condensing Heat Exchanger	South Seas Plant
SB-230	Steam Boiler	84	Coke Boiler	South Seas Plant
Motor #1		0	Current Harmonic/Unbalance	PLANT\Menace.rbm -\0001 - Area 10 (Motor Jobs)

Configure Filter

1 2 3 4 5 ... 275

Emerson, 1996 - 2002

AssetWeb Explorer 1.0

Local Intranet

Terms of Use

javascript:LinkReport('0')

FIG. 23

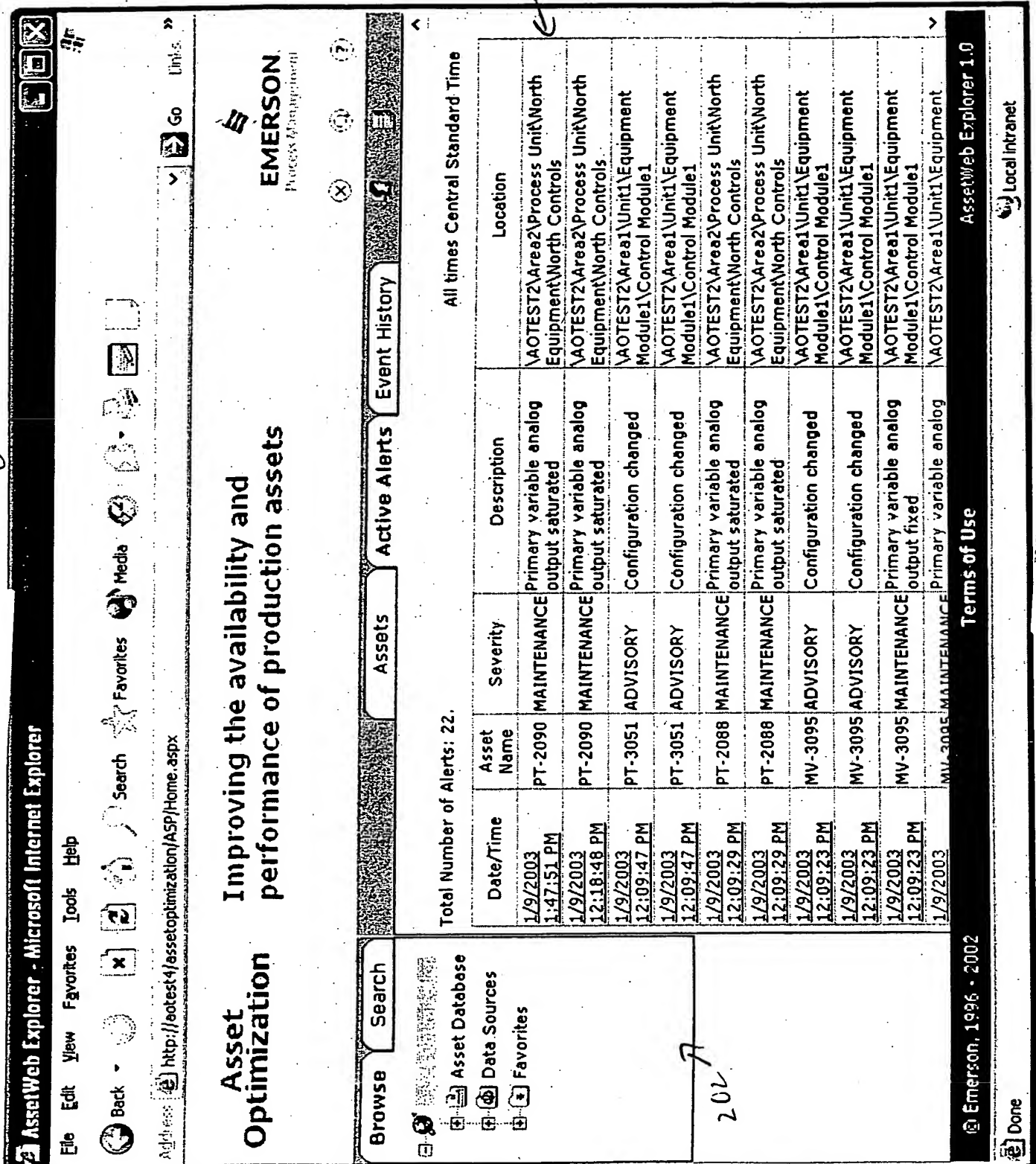


FIG. 24

2/0

AssetWeb Explorer - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Search Favorites Media

Address <http://aotest4/assetoptimization/ASP/Home.aspx> Go Links

# Asset Optimization

## Improving the availability and performance of production assets

EMERSON  
Process Equipment

Assets Active Alerts Event History

Total Number of Events: 122. Event History All times Central Standard Time

Date/Time	Asset Name	Type	Description	Location
1/9/2003 1:47:51 PM	PT-2090	Status Alerts	Primary variable analog output saturated	VAOTEST2\Area2\Process Unit\North Equipment\North Controls
1/9/2003 1:47:28 PM	PT-2090	Configuration Change	Routine Service	VAOTEST2\Area2\Process Unit\North Equipment\North Controls
1/9/2003 1:47:09 PM	PT-2090	Device Synchronization	Device/database synchronization successful with no differences found	VAOTEST2\Area2\Process Unit\North Equipment\North Controls
1/9/2003 1:43:41 PM	PT-2090	Configuration Change	Send warning executed	VAOTEST2\Area2\Process Unit\North Equipment\North Controls
1/9/2003 1:43:04 PM	PT-2090	Configuration Change	Send warning executed	VAOTEST2\Area2\Process Unit\North Equipment\North Controls
1/9/2003 1:42:38 PM	PT-2090	Status Alerts	Primary variable analog output saturated	VAOTEST2\Area2\Process Unit\North Equipment\North Controls
1/9/2003	PT-2090	Configuration	Routine Service	VAOTEST2\Area2\Process Unit\North Equipment\North Controls

Asset Database  
Data Sources  
Favorites

Emerson, 1996 - 2002  
javascript:LinkReport('2')

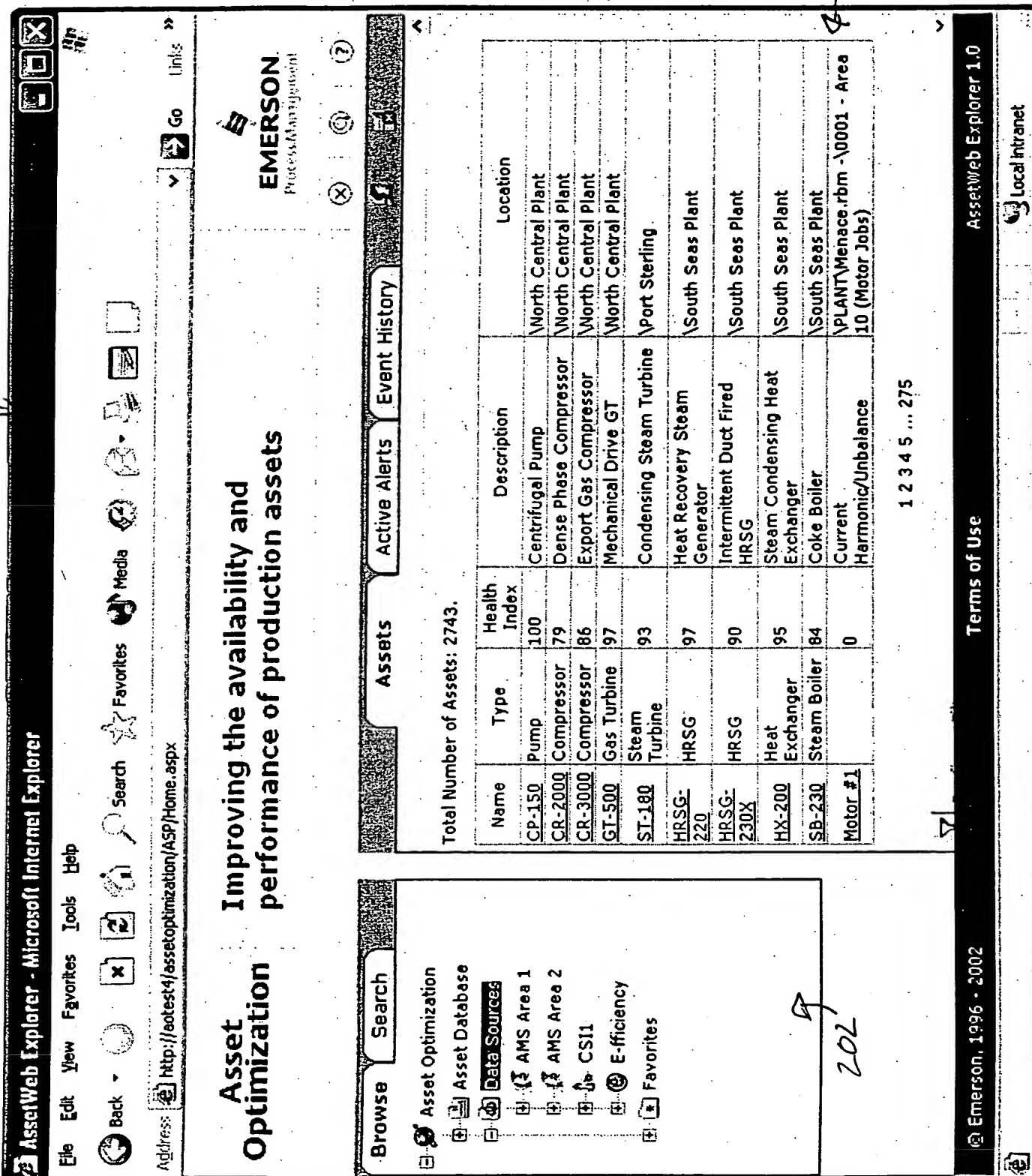
AssetWeb Explorer 1.0  
Local Intranet

FIG. 25



FIG. 26

220



222

202

FIG. 27

2241

202  
9

230J

242

AssetWeb Explorer - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back

Search

Media

Favorites

Address

http://localhost/assetoptimization/ASP/Home.aspx

Asset Optimization

Improving the availability and performance of production assets

EMERSON

Process Management

Browse

Search

Asset Optimization

Asset Database

Data Sources

AMS Area 1

AMS Area 2

CSI1

E-efficiency

Favorites

Maintenance

News

Weather

Weather Channel

Assets

Active Alerts

Event History

Asset Optimization

Home

Sales Tools

Sales Strategies

Services

Product

Pricing

Successes

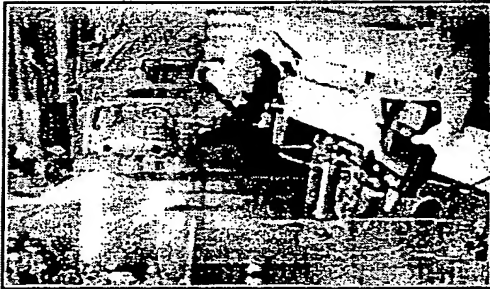
News and Events

Contact Us

Site Map

Search

Services and Technologies: a powerful combination



Our customers require both services and technologies to get the most from their key production assets. No other company can match the depth and breadth of Emerson's Asset Optimization offering. Make sure you understand the scope of Asset Optimization. Solidify your account relationships by presenting all Emerson has to offer in your territory.

Organizational Announcements

Terms of Use

AssetWeb Explorer 1.0

Emerson, 1996 - 2002

Local Intranet

FIG. 29

2029